

**Appendix H1: Percent Contribution of  
Detected Noncarcinogenic Chemicals  
to Total Hazard Index**

**Anadromous Fish: Pacific lamprey  
Fillet with skin and whole body samples**

Chemical Group	Chemical	Sample Type	Percent Contribution	Site	Waterbody
Aroclors	Total Aroclors	FS	87	21	Willamette River
Pesticides	Chlordane (total)	FS	1.7	21	Willamette River
Pesticides	Total DDT	FS	3.8	21	Willamette River
Pesticides	Hexachlorobenzene	FS	0.19	21	Willamette River
Metals	Arsenic	FS	2.1	21	Willamette River
Metals	Cadmium	FS	0.48	21	Willamette River
Metals	Chromium	FS	0.54	21	Willamette River
Metals	Cobalt	FS	0.011	21	Willamette River
Metals	Copper	FS	0.65	21	Willamette River
Metals	Manganese	FS	0.054	21	Willamette River
Metals	Selenium	FS	1.7	21	Willamette River
Metals	Vanadium	FS	0.028	21	Willamette River
Metals	Zinc	FS	1.4	21	Willamette River
Aroclors	Total Aroclors	WB	72	21	Willamette River
Aroclors	Total Aroclors	WB	71	24	Fifteen Mile Ck
Pesticides	Chlordane (total)	WB	0.70	21	Willamette River
Pesticides	Chlordane (total)	WB	1.2	24	Fifteen Mile Ck
Pesticides	Total DDT	WB	2.4	21	Willamette River
Pesticides	Total DDT	WB	2.7	24	Fifteen Mile Ck
Pesticides	Hexachlorobenzene	WB	0.090	21	Willamette River
Pesticides	Hexachlorobenzene	WB	0.14	24	Fifteen Mile Ck
Semivolatiles	Fluoranthene	WB	0.0032	24	Fifteen Mile Ck
Metals	Aluminum	WB	0.022	21	Willamette River
Metals	Aluminum	WB	0.012	24	Fifteen Mile Ck
Metals	Arsenic	WB	1.8	21	Willamette River
Metals	Arsenic	WB	0.59	24	Fifteen Mile Ck
Metals	Cadmium	WB	2.3	21	Willamette River
Metals	Cadmium	WB	0.72	24	Fifteen Mile Ck
Metals	Chromium	WB	0.56	21	Willamette River
Metals	Chromium	WB	0.39	24	Fifteen Mile Ck
Metals	Cobalt	WB	0.030	21	Willamette River
Metals	Cobalt	WB	0.014	24	Fifteen Mile Ck
Metals	Copper	WB	2.0	21	Willamette River
Metals	Copper	WB	1.5	24	Fifteen Mile Ck
Metals	Manganese	WB	0.055	21	Willamette River
Metals	Manganese	WB	0.020	24	Fifteen Mile Ck
Metals	Mercury	WB	15	21	Willamette River
Metals	Mercury	WB	19	24	Fifteen Mile Ck
Metals	Nickel	WB	0.015	21	Willamette River
Metals	Nickel	WB	0.16	24	Fifteen Mile Ck
Metals	Selenium	WB	2.0	21	Willamette River
Metals	Selenium	WB	1.2	24	Fifteen Mile Ck
Metals	Vanadium	WB	0.094	21	Willamette River
Metals	Vanadium	WB	0.068	24	Fifteen Mile Ck
Metals	Zinc	WB	1.2	21	Willamette River
Metals	Zinc	WB	0.81	24	Fifteen Mile Ck

NOTE:

FS - fillet with skin

WB - whole body

Chlordane (total) - sum of cis-chlordane, cis-nonachlor, gamma-chlordane, oxychlordane, and trans-nonachlor

Total Aroclors - based on Aroclor 1254 in FS and sum of Aroclors 1254 and 1260 in WB; risk calculated using RfD for Aroclor 1254

Total DDT - sum of o,p' and p,p' isomers of DDT and its derivatives (DDD and DDE); risk calculated using RfD for DDT